

20600T" 0/24900T



Cheng et al.  
Dual Match-Line, Twin-Cell, Binary-Ternary  
CAM  
S/N 10/064,770  
Atty. Docket #60409.300301

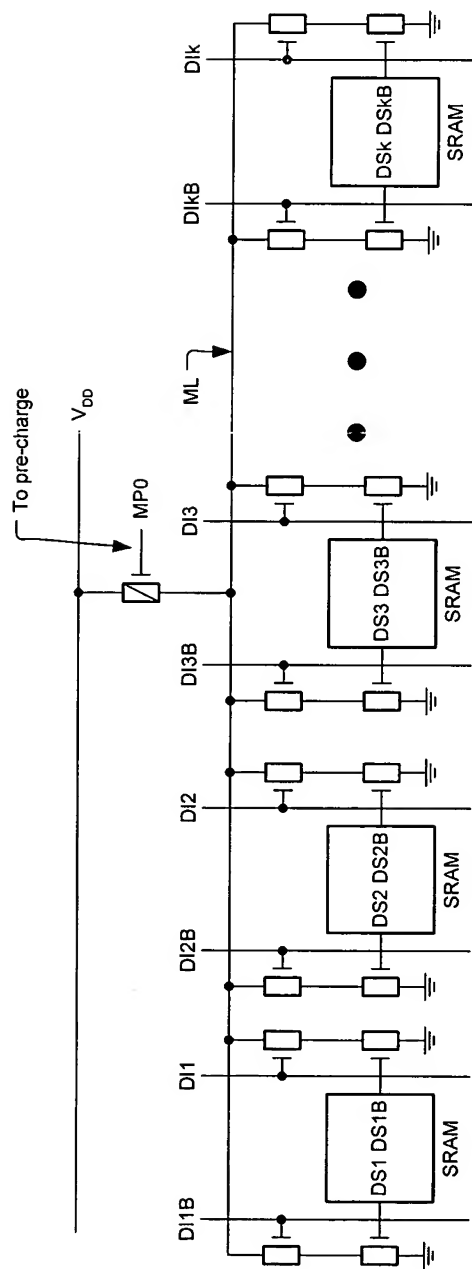


FIG. 1  
(background art)



20600T 0/24900T

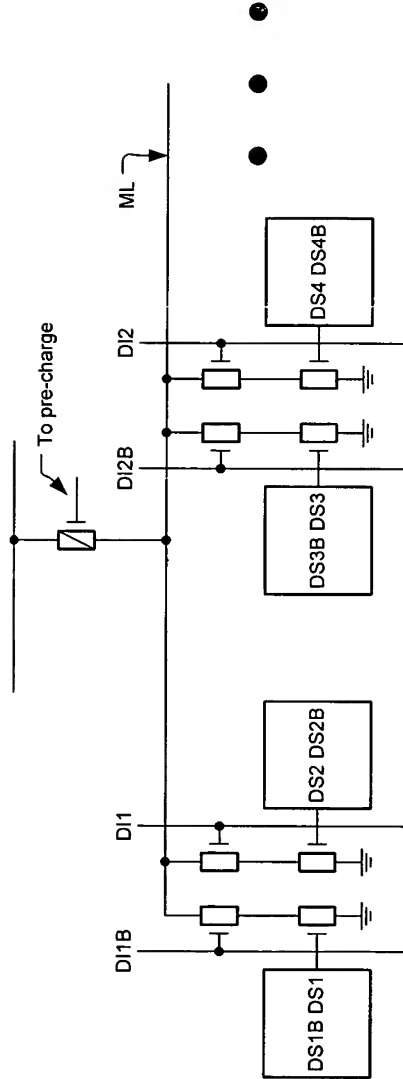
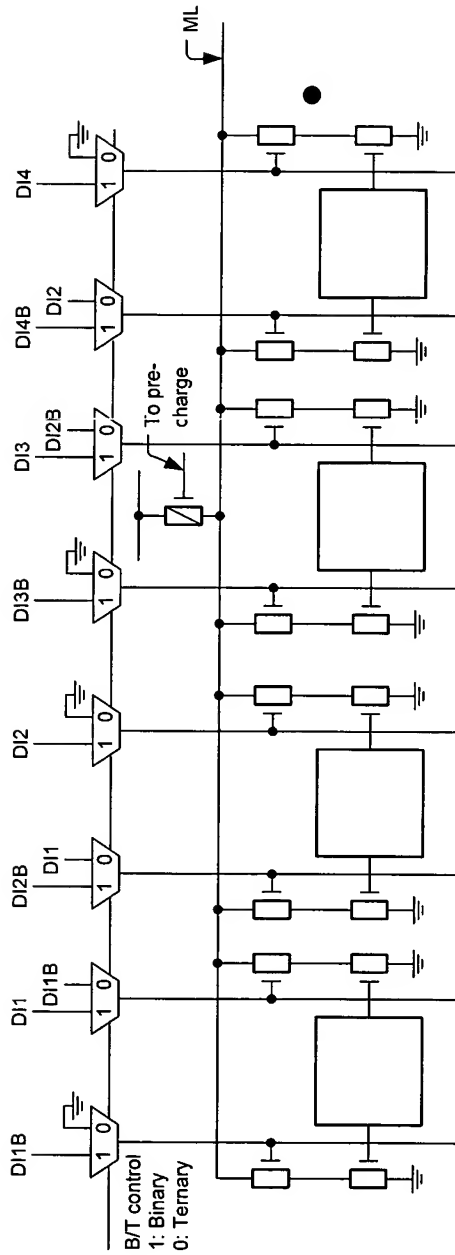


FIG. 2  
 (background art)



2060001-0449001



Cheng et al.  
Dual-Multibit, Twin-Cell, Binary-Ternary  
CAM  
S/N 10/064,770  
Atty. Docket #60409.300301

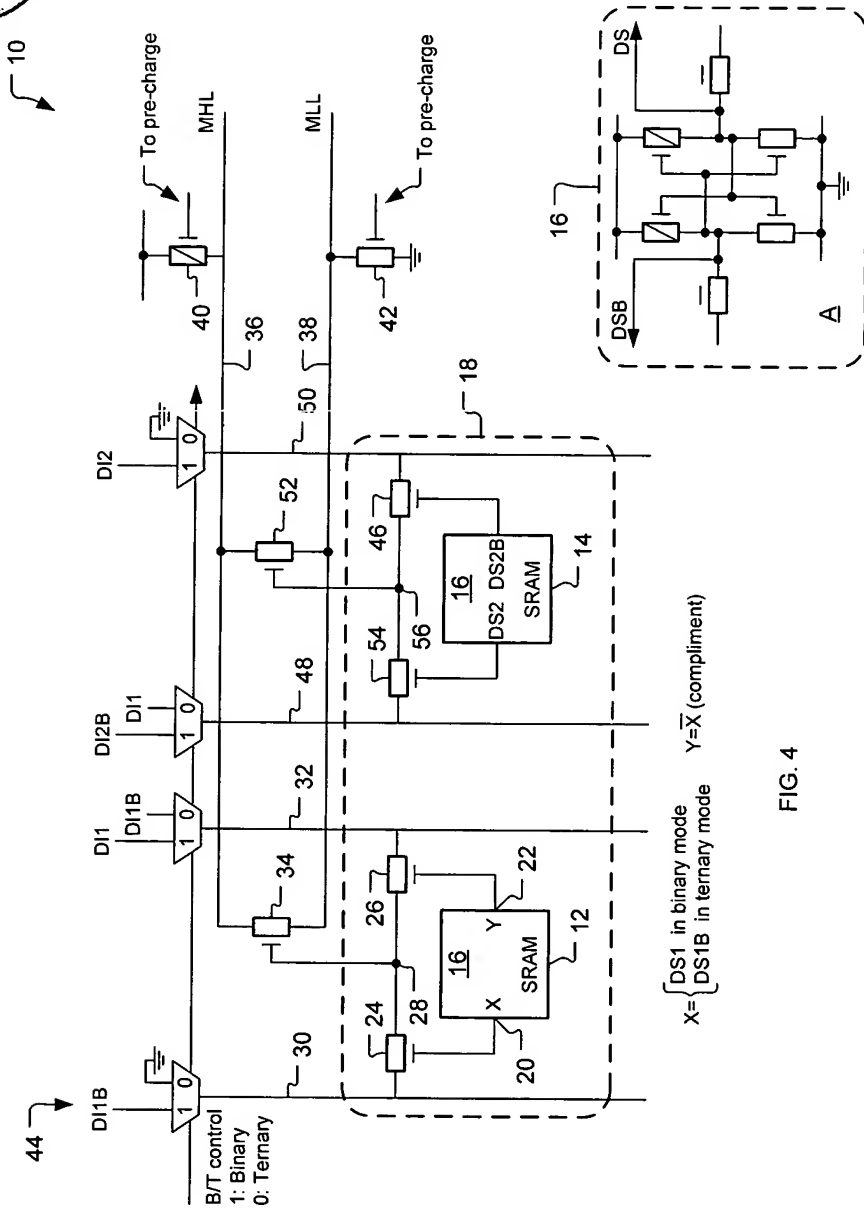


FIG. 4

20600F" 0/24900F



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CAM  
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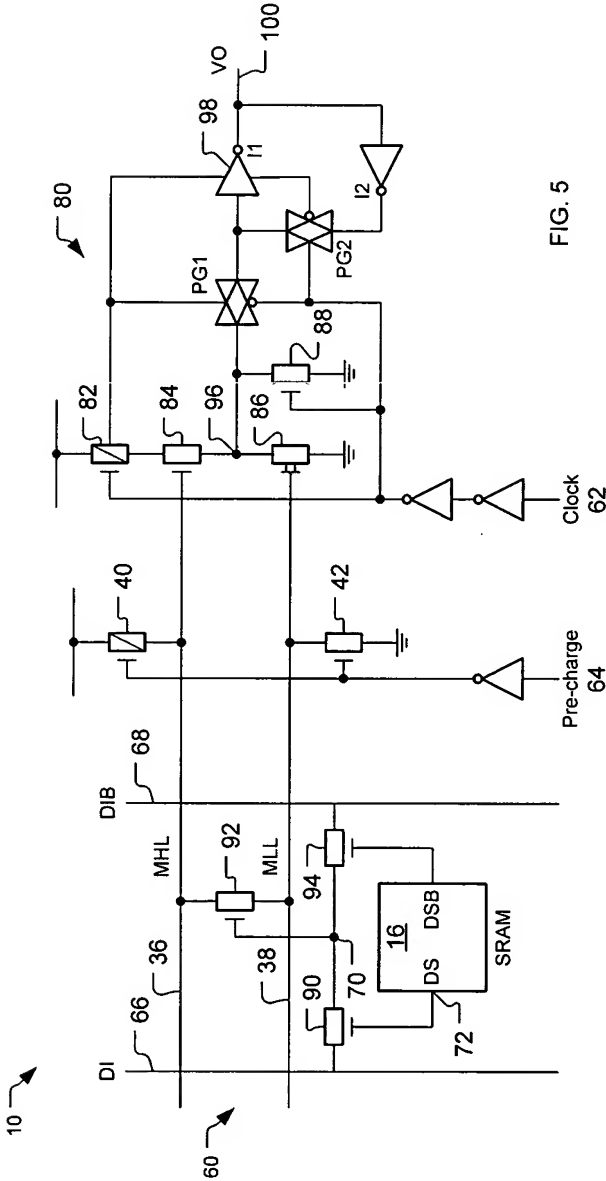


FIG. 5



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20600T" 0224900T

3-phase comparison cycle  
Phase1: Data input phase  
Phase2: Comparison phase  
Phase3: Sampling phase

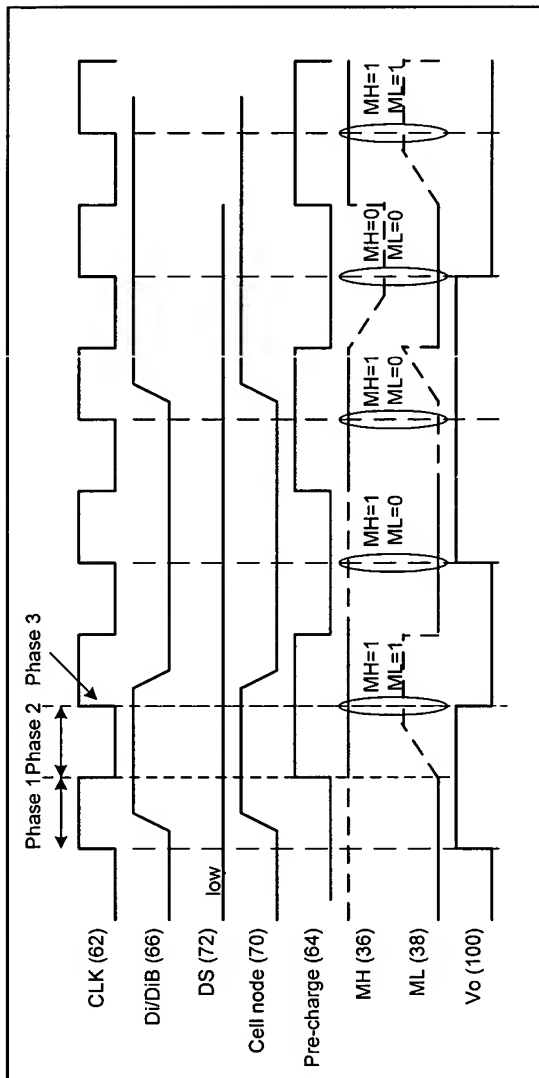


FIG. 6

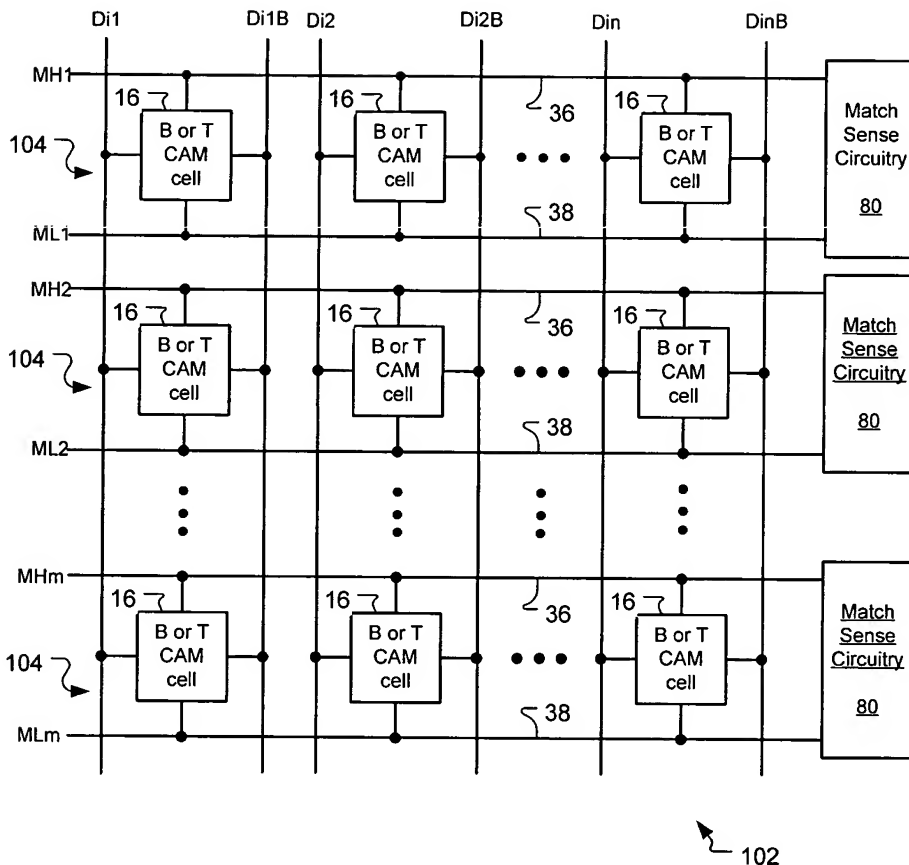
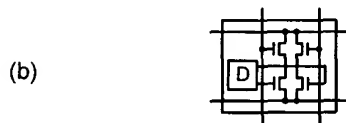
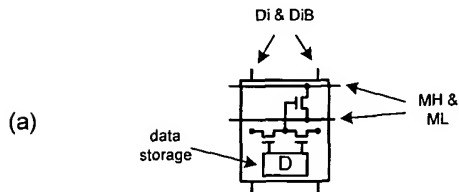


FIG. 7



Binary CAM cell examples

Ternary CAM cell examples

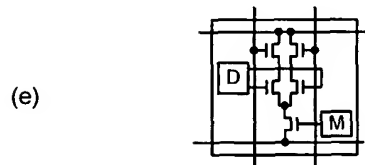
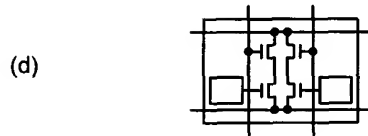
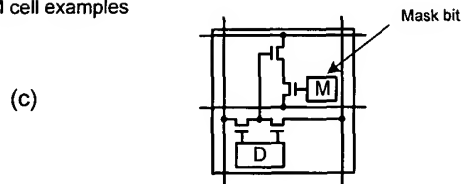


FIG. 8

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